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PTO/SB/21 (04-04)

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TDANIONALTTAL	Application Number	10/800,130	
TRANSMITTAL FORM sed for all correspondence after initial filing)	Filing Date	March 12, 2004	
	First Named Inventor	Yoshihiro Kobayashi	
	Art Unit	2856	
	Examiner Name	Chapman Jr., John E	

Attorney Docket Number 9319S-000733

ENCLOSURES (check all that apply)						
Fee Transmittal F	om	☐ Drawing(s)		After Allowance Communication to Technology Center (TC)		
Fee Attached		Licensing-related Papers		Appeal Communication to Board of Appeals and Interferences		
Amendment / Rep	bly	Petition		Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)		
After Final		Petition to Convert to a Provisional Application		Proprietary Information		
Affidavits/dec	laration(s)		torney, Revocation Correspondence Address	Status Letter		
Extension of Time	Request	Terminal Di	sclaimer	Other Enclosure(s) (please identify below):		
Express Abandonment Request		Request for Refund CD, Number of CD(s)		Form 1449 w/copies of non-US cited references; return post card		
Certified Copy of Priority Document(s)		Remarks		·		
Response to Miss Incomplete Applic			i			
Response to Missing Parts under 37 CFR 1.52 or 1.53						
	SIGNA	TURE OF APP	LICANT, ATTORNEY, OI	RAGENT		
Firm or Individual name	Harness, Dickey &	Pierce, P.L.C.	Attorney Name Bryant E. Wade	Reg. No. 40,344		
Signature	Seas.	Ulas	2_			
Date	May 24, 2006					
		ERTIFICATE C	F TRANSMISSION/MAIL	ING		

Signature Date May 24, 2006 This collection of information is presented by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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HDP/SB/17 (02-06)
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Complete if Known **FEE TRANSMITTAL** Application Number 10/800,130 for FY 2006 Filing Date March 12, 2004 First Named Inventor Yoshihiro Kobayashi ctive 2/8/2006. Patent fees are subject to annual revision. **Examiner Name** Chapman Jr., John E plicant claims small entity status. See 37 CFR 1.27 2856 Art Unit AMOUNT OF PAYMENT (\$) 93198-000733

TOTAL AMOUNT OF PATINIZITY (\$) 100					Attorney Docket No. 93193-000133						
METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)							
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Signature									Data	May 24, 2006	





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/800,130

Filing Date:

March 12, 2004

Applicant:

Yoshihiro Kobayashi

Group Art Unit:

2856

Examiner:

CHAPMAN Jr., John E

Title:

MEASURING METHOD, MEASUREMENT-SIGNAL OUTPUT CIRCUIT, AND MEASURING APPARATUS

Attorney Docket:

9319S-000733

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. <u>LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION</u>

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

95/26/2006 NNGUYEN1 00000089 503213 10800130 01 FC:1806 180.00 DA

II. <u>COPIES</u>

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

B. Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were

previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Filing Date

U.S. Serial Number

	C. This is a PCT appl United States. A copy of t Examiner's information. Treport are listed on the attained for listing on any patent Search report was from the these references should have agreement and are believed (MPEP 1893.03(g).)	he International Search in the documents listed on the Corm 1449 for constant tresulting from this application. EPO, or JPO search been supplied to the Usearch in the Legister in the Legiste	Report is attached for the the International Search sideration by the Examiner cation. If the International arch authorities, copies of JSPTO under the trilateral
III.	CONCISE EXPLANATION	OF THE RELEVANCE (c	heck at least one box)
	A. Except as may be incor other information are in required).	dicated below in (B), all on the English language	of the patents, publications (concise explanation not
	B. A concise explanation other information listed that 37 C.F.R. § 1.98(a)(3)):	on of the relevance of e t is not in the English la	ach patent, publication or nguage is as follows (see
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	C. The following addition:	onal information is pro	vided for the Examiner's
IV.	CROSS REFERENCE TO	RELATED APPLICATION	<u> 1(S)</u>
	A. The Examiner is additional to the contain (s) subject matter the bringing this (these) applications (do) not waive the containt.	nat may be related to the ation(s) to the Examine	e present application. By r's attention, Applicant(s)
	Serial No.	Filing Date	Inventor(s)

THIS IDS IS BEING FILED UNDER A. 37 C.F.R. § 1.97(b): (check only one box) 1. Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required. 2. within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required. 3. Defore the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p). 4. Defore the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required. B. 37 C.F.R. § 1.97(c): (check only one box) before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution. 1. No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p). 2. See the certification below. No fee is required. C. X 37 C.F.R. § 1.97(d): after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee. 1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p). CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box) The undersigned hereby certifies that:

A. \(\sum \) each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application

VI.

V.

not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or B. I no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application. and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)). C. some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS. STATEMENT UNDER 37 C.F.R. 1.704(d) The undersigned hereby states that: $oxed{oxed}$ each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS. PAYMENT OF FEES (check only one box) fee.

VIII.

A. A check in the amount of \$180.00 is enclosed for the above identified

B. Please charge Deposit Account No. 50-3213 in the amount of \$180.00 for the above-indicated fee.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 50-3213 (Epson R&D).

VII.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 50-3213 (Epson R&D).

Respectfully submitted,

Dated: May 24, 2006

Byant E. Wade Reg. No. 40,344

Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

GGS/BEW/slm

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HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

SERIAL NO.		
10/800,130		
GROUP		
2856		
	10/800,130 GROUP	

U.S. P	U.S. PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date		
1.		3,953,844	4/27/1976	Barr et al				
2.		4, 618, 014	10/21/1986	Kobayashi				
3.		2003/0033876 A1	2/20/2003	Roukes et al				

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translati Yes	on * No
1.							

OTHE	OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)						
Ref. Desig.	Examiner's Initials						
1.		Bruschi et al, "Inexpensive but accurate driving circuits for quartz crystal microbalances", REVIEW OF SCIENTIFIC INSTRUMENTS, AMERICAN INSTITUTE OF PHYSICS, US, Vol. 70, No. 1, Jan. 1999, pages 153-157.					
2.		Patent Abstracts of Japan re: Publication No. 07043284.					
3.		Communication from European Patent Office re: related application.					

*One or more of the English translation documents submitted herewith may be Abstracts only or partial machine created translations from the Japanese Patent Office. As such, the submitter does not necessarily vouch for their accuracy. Additional information may be obtained from the Japanese Patent Office web site at www.ipo.go.ip

Examiner:	Date Considered:	

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.